



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

James B. Jaquith et al.

FOR

NEUROPROTECTIVE AND ANTI-PROLIFERATIVE

COMPOUNDS

FILED

:

February 1, 2006

SERIAL NO.

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10/566,752

GROUP ART UNIT

1626

ATTORNEY DOCKET NO. :

L80003396US2

Montreal, Quebec, Canada February 16, 2007

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit the enclosed PTO 1449 Form identifying references. The references were previously submitted to and/or cited by the Office in related prior application no. 10/637,599 (now U.S. Patent no. 7,129,250) and, therefore, are not provided in this application.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

Applicants believe that no fees are due, however if any fees whatsoever are due with respect to the present application, the United States Patent and Trademark Office is hereby authorize to charge (or credit) any such fee to our **Deposit Account no. 50-4067**.

Feb. 16th 107

Respectfully submitted,

GOWLING LAFLEUR HENDERSON LLP

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Encl. Form PTO-1449 (7 pages)

Form P	ГО-1449	•	Complete if Known	
		(0.6)	Application No.:	10/637,599
INFORM	IATION DIS	CLOS TOEP E	Filing Date:	August 11, 2003
STATE	IENT .	FEB 2 0 2007	First Named Inventor:	James B. JAQUITH, et al.
		\2 FEB 2 0 2007 E	Group Art Unit:	1625
			Examiner Name:	Charanjit AULAKH
Sheet	1	of The Park	Attorney Docket No.:	PAT 209AW-2

Examiner Initials	Cite No.	Document No.	Date of Publication mm-dd- yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,057,614	10-15-1991	Davis et al.	example 46, column 23, 57-58

FOREIGN PATENT DOCUMENTS

Examine r Initials	Cite No.	Patent Document No.	Date of Publication mm-dd- yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Check if Engl
		WO 01/87887	11-22-2001	Aegera Therapeutics Inc.	entire document	English Translation
		WO 99/47518	09-23-1999	F. Hoffmann- La Roche AG	claims; examples	nslati
111-111-11		WO 98/04551	02-05-1998	F. Hoffmann- La Roche AG	claims; examples	on .

OTHER DOCUMENTS

Davis et al., "Inhibitors of Protein Kinase C.I. 2,3-Bisarylmaleimides", pp. 177-184, J. Med. Chem., 35, 1992.
Davis et al., "A Mild Conversion of Maleic Anhydrides Into Maleimides", pp. 5201-5204, Tetrahedron Letters, Vol. 31, No. 36, 1990.

Examiner Signature:	Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

FEB 2 0 2007 Fgg PTO-1449 THAD! Complete if Known **Application No.:** 10/637,599 Filing Date: August 11, 2003 SUPPLEMENTAL INFORMATION James B. JAQUITH et al. First Named Inventor: **DISCLOSURE STATEMENT** Group Art Unit: 1614 **Examiner Name:** PAT 209AW-2 of Attorney Docket No.: Sheet

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,883,114	03-16-1999	Kleinschroth et al.	claims; examples
`		5,859,261	01-12-1999	Faul et al.	preparation 2
		5,405,864	04-11-1995	Broka	column 1, line 10-column 2, line 10; claims; examples

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Patent Document No.	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T √	Check if English attached
,		EP 0 328 026	08-16-1989	F. Hoffman- La Roche	page 9, line 11-line 58; claims; example 46		sh Tra
		WO 99/47518	09-23-1999	F. Hoffman- La Roche	claims; examples		nslati
		WO 98/04551	02-05-1998	F. Hoffman- La Roche	page 2, paragraph 2; claims; examples		lion ts

Gribble, G. W. et al., Studies in Natural Products Chemistry, 1993, 12, pp. 365-409
Wood, J. L. et al., J. Am. Chem. Soc., 1997, 119, pp. 9641-9651
Link et al., J. Am. Chem. Soc., 1996, 118, pp. 2825-2842
Bergman, J. et al., Tetrahedron, 55, 1999, pp. 2363-2370
Janosik et al., Tetrahedron, 55, 1999, pp. 2371-2380
Nakanishi, J. Antibiotics, 1986, 39, pp. 1066-1071
Toledo and Lydon, Structure, 1997, 5, No. 12, pp. 1551-1556

Examiner Signature:	Date Considered:
	ed, whether or not citation is in conformance with MPEP ormance and not considered. Include copy of this form
with next communication to applicant	

Form P	TO-1449)		Complete if Known		
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Sheet 2 of 3		Attorney Docket No.:	PAT 209AW-2			

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Patent Document No.	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ✓	Check if English Translation attached
,		WO 99/47522	09-23-1999	University of British Columbia	claims; examples		Trans
		EP 0 397 060	11-14-1990	Gödecke	claim 5		夏
		WO 97/34890	09-25-1997	Eli Lilly & Co.	page 27, preparation 3		on is

Davis, P.D., et al., "Inhibitors of Protein Kinase C.I. 2,3-Bisarylmaleimides", Journal of Medicinal Chemistry, vol. 35, no. 1, January 10, 1992, pages 177-184, XP002028954
Davis, P.D., et al., "A Mild Conversion of Maleic Anhydrides into Meleimides" Tetrahedron Letters, vol. 31, no. 36, 1990, pages 5201-5204, XP001021319

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or 609; draw line through citation if in conformance and n	
with next communication to applicant.	or considered. Include copy of the form

Form P	TO-1449)		Complete if Known		
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FOREIGN PATENT DOCUMENTS

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<u> </u>		EP 0 540 956	05-12-1993	F. Hoffman-La Roche	claims; examples 14,		sh Tra
		DE 40 05 970	08-29-1991	Boehringer Mannheim	page 8, line 20-line 39; daims; examples 1, 2		inslation
		WO 99/42100	08-26-1999	Sagamai Chemical Research Centre	claims.		5.

OTHER DOCUMENTS

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Form PTO-1449

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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,919,912	07-06-1999	Korneluk et al.	
		6,013,646	01-11-2000	Roder et al.	
1712 F.	1	5,756,494	05-26-1998	Lewis et al.	
		5,741,808	04-21-1998	Lewis et al.	
 		5,621,101	04-15-1997	Lewis et al.	2-
		4,923,986	05-08-1990	Murakata et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Patent Document No:	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1	Check if English Translation is att
		WO 96/31515	10-10-1996	Cephalon, Inc.			act
		WO 97/46565	12-11-1997	Cephalon, Inc.			6
		WO 97/49406	12-31-1997	Engber et al.			

Kitada, S. et al, "Blood", 2000, 96,393	
Iqbal, K. et al., FEBS Lett., 1994, 349, 104	
Garver, T.D. et al., J. Neurosci. Res., 1996, 44, 12	
Kaneko, et al., J. Med. Chem., 1997, 40, 1863	:
Maroney, A.C. et al., J. Neurosci., 1998, 18, 104	
Sancelme, et al., J. Antibiotics, 1994, 47, 792	:
Hachisu et al., Life Sciences, 1989, 44, 1351	
	Iqbal, K. et al., FEBS Lett., 1994, 349, 104 Garver, T.D. et al., J. Neurosci. Res., 1996, 44, 12: Kaneko, et al., J. Med. Chem., 1997, 40, 1863 Maroney, A.C. et al., J. Neurosci., 1998, 18, 104 Sancelme, et al., J. Antibiotics, 1994, 47, 792

Examiner Signature:	Date Considered:	
EXAMINER: Initial if reference considered, whether or		
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Form P	TO-1449)		Complete if Known		
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Examiner Initials	Cite No.	Document No.	Date:of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,877,776	10-31-1989	Murakata et al.	
		5,919,946	07-06-1999	Faul et al.	
		6,037,475	03-14-2000	Faul et al.	:
		6,020,127	02-01-2000	MacKenzie et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Patent Document No.	Date of Publication mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1. √	Check it English Translation is atta
		WO 95/07911	03-23-1995	Cephalon, Inc.			20
		WO 94/02488	02-03-1994	Cephalon, Inc.			8
		EP 0 323 171	07-05-1989	Kyowa Hakko Kogyo Co., Ltd.			

Bit et al., J. Med. Chem., 1993, 36, 21
Bergman et al., Tetrahedron Lett., 1987, 28, 4441
Faul, M.M. et al., Tetrahedron Lett., 1999, 40, 1109
Bradshaw, D. et al., Agents and Actions, 1993, 38, 137
Knusel, B. & Hefti, F.J., Neurochem., 1992, 59, 1987
Xu, D.G. et al., Nature Medicine, 1997, 3, 997

Examiner Signature:	Date Considered:
EXAMINER: Initial if reference considered, whether or draw line through citation if in conformance and not co	
communication to applicant.	

Form PTO-1449				Complete if Known		
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		EP 0 643 966	03-22-1995	Kyowa Hakko Kogyo Kabushiki Kaisha			English Translation
Sandra Carlo	1217. 1977.	WO 94/27982	12-08-1994	Cephalon, Inc.			

:	Uzawa, et al., Cancer Genet Cytogenet, 1998, 11, 125	
ļ.,	Chan, S.L., Mattson, M.P., J. Neurosci. Res., 1999, 58, 167	4444
	Kanfer, J.N. et al., Neurochem Res., 1999, 24, 1621	
	Suzuki, A. et al., Exp. Cel. Res., 1997, 233, 41	,

Examiner Signature:	Date Considered:
	23. g 1
EXAMINER: Initial if reference considered, whether or	not citation is in conformance with MPEP
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